hingto	n Parkway				
2003					
62	(with Gypchek)				
62	(with Gypchek)				
	••••	opulations below damaging thresholds with the least impact to non-			
copter Appl	icators	Aircraft: Bell 205			
Gypchek		1.0 gal/ac @ 4 x 10 (11) BIU/ac			
applicatio	on):				
ors	\$20.75 ac	Gypchek			
\$1,28	7				
\$	0				
<mark>ed:</mark> Fede	ral 1	00			
ed Succes	sfully: 1.100%				
ers Treate	e d: 0				
ities Treat	ed: 0				
0					
ed: 0					
	62 62 1. To reduced target org copter Appl Gypchek application ors \$1,28 \$ ed: Fede ed Success ters Treate ities Treate	62 (with Gypchek) 1. To reduce gypsy moth potarget organisms. copter Applicators Gypchek application): ors \$20.75 ac \$1,287 \$0 ed: Federal 1 ed Successfully: 1.100% mers Treated: 0 ities Treated: 0 0			

Beltsville Agricultural Research Service

			2003
Proposed Acres:	992 (with G	ypchek)	
Treated Acres:	992 (with G	ypchek)	
Project Objectives:	1. To reduce gyps target organisms.		lations below damaging thresholds with the least impact to non
Contractor(s): Heli	copter Applicators		Aircraft: Bell 205
Formulation(s):	Gypchek	1.0	0 gal/ac @ 4 x 10 (11) BIU/ac
Cost/acre (including	gapplication):		
Helicopter Applica	tors \$	20.75 ac	Gypchek
Federal Share:	\$20,584		
State Share:	\$0		
Percent Acres Treat	ed: Federal	100	
Percent Acres Treat	ed Successfully:	1.100%	
Number of Landow	ners Treated:	0	
Number of Commun	ities Treated:	0	
Defoliated Area:	0		
Acres to be Retreat	ed: 0		

Blue Ridge Parkway
2001
Proposed Acres: 338 (338 ac. Btk)
Treated Acres: 338 (338 ac. Btk)
Project Objectives: 1. Reduce the risk of defoliation to prevent hazard trees in developed areas
Contractor(s): Ag Rotors Aircraft: Bell 206
Formulation(s):Thuricide 47LV64 oz/ac @ 24 BIU/ac
Cost/acre (including application):
Ag Rotors\$39.20 acThuricide 47LV
Federal Share: \$26,500
State Share: \$0
Percent Acres Treated: Federal 100
Percent Acres Treated Successfully: 1. 100%
Number of Landowners Treated: 0
Number of Communities Treated: 0
Defoliated Area: 5,300
Acres to be Retreated: 5,300

Blue Ridge Parkway

2002
Proposed Acres: 508 (with double Btk)
Treated Acres: 508 (with double Btk)
Project Objectives: 1. Reduce the risk of defoliation to prevent hazard trees in developed areas
Contractor(s): Summit Helicopters Aircraft: Bell 206L4
Formulation(s):Foray 48F0.5 gal/ac @ 24 BIU/ac
Cost/acre (including application):
Summit Helicopters \$25.55 ac Foray 48F
Federal Share: \$28,783
State Share: \$0
Percent Acres Treated: Federal 100
Percent Acres Treated Successfully: 1. 98%
Number of Landowners Treated: 0
Number of Communities Treated: 0
Defoliated Area: 2,274 (10 acres in treatment blocks)
Acres to be Retreated: 0

Gy . 10 . 1

Gypsy Moth Suppression Summaries by State/Site	and rear
Blue Ridge Parkway	

			2003	
Proposed Acres:	2,066	(with double Btk)		
Freated Acres:	2,066	(with double Btk)		
Project Objectives:	1. Reduc	e the risk of defoliation	on to prevent hazard	d trees
Contractor(s): Sum	nit Helicop	ters	Aircraft:	Bell 20
Formulation(s):	Foray 48F	0.	5 gal/ac @ 24 BIU/a	ac
Cost/acre (including	applicatio	n):		
Summit Helicopters	;	\$23.55 ac	Foray 48F	
Federal Share:	\$70,104	Ļ		
State Share:	\$0)		
Percent Acres Treate	ed: Feder	al 100		
Percent Acres Treate	d Succes	sfully: 1.100%		
lumber of Landown	ers Treate	d: 0		
Number of Commun	ities Treate	ed: 0		
Defoliated Area:	0 0			
Acres to be Retreate	d: 0			

Catoctin Mountain Park	
2001	
Proposed Acres: 840 (840 ac. Btk)	
reated Acres: 840 (840 ac. Btk)	
 Project Objectives: 1. Foliage protection (to prevent defoliatin from exceeding 30% on 80% of host trees) 2. Population reduction so that treatment will not be required in 2002 	
Contractor(s): Ag Rotors Aircraft: Bell 205	
Formulation(s): Foray 48F 96 oz/ac @ 36 BIU/ac	
Cost/acre (including application):	
Ag Rotors \$26.40 ac Foray 48F	
ederal Share: \$22,176	
State Share: \$0	
Percent Acres Treated: Federal 100	
Percent Acres Treated Successfully: 1. 100% 2. 94%	
Iumber of Landowners Treated: 0	
Iumber of Communities Treated: 0	
Defoliated Area: 39	
Acres to be Retreated: 55	

Catoctin Mountain Park
2002
Proposed Acres: 401 (with Gypchek)
Treated Acres: 401 (with Gypchek)
 Project Objectives: 1. Foliage protection (to prevent defoliation from exceeding 30% on 80% of host trees) 2. Population reduction so that treatment will not be required in 2003
Contractor(s): Ag Rotors Aircraft: Bell 206
Formulation(s):Gypchek1 gal/ac @ 4 x 10 (11) OBS/ac
Cost/acre (including application):
AgRotors, Inc. \$24.43 ac Gypchek
Federal Share: \$9,797
State Share: \$0
Percent Acres Treated: Federal 100
Percent Acres Treated Successfully: 1.89% 2.90%
Number of Landowners Treated: 0
Number of Communities Treated: 0
Defoliated Area: 46 (44 acres in treatment blocks)
Acres to be Retreated: 40

Chesapeake Marshlands NWR Complex

	2000				
Proposed Acres:	612				
Treated Acres:	608				
	 Foliae protection (to prevent defoliation from exceeding 30% on 80% of host trees) Population reduction so that treatment will not be required in 2001 				
Contractor(s): Helico	pter Applicators Aircraft: Bell 47 Soloy				
Formulation(s): Formulation	oray 48F 96 oz/ac @ 36 BIU/ac				
Cost/acre (including a	pplication):				
Helicopter Applicator	rs \$20.00 ac Foray 48F				
Federal Share:	\$24,320				
State Share:	\$0				
Percent Acres Treated	E Federal 100				
Percent Acres Treated	Successfully: 1. 93% 2. 78%				
Number of Landowner	rs Treated: 0				
Number of Communiti	ies Treated: 0				
Defoliated Area:	270 (41 acres within the treatment area)				
Acres to be Retreated	:				

Chesapeake Marshlands NWR Complex

			2001	
roposed Acres:	1,752 (1,4	00 ac. Double B	tk, 352 ac. Single Btk	()
reated Acres:	1,752 (1,4	00 ac. Double B	tk, 352 ac. Single Btk	()
Project Objectives:	• •	· ·	ent defoliation from ex at treatment will not be	
Contractor(s): Helic	opter Applicato	ors	Aircraft:	Bell 20
Formulation(s):	Foray 48F	9	96 oz/ac @ 36 BIU/a	ıC
Cost/acre (including	application):			
Helicopter Applicate	ors	\$27.75 ac	Foray 48F	
Federal Share:	\$100			
State Share:	\$0			
ercent Acres Treate	ed: Federal	100		
ercent Acres Treate	ed Successful	ly: 1. 100% 2. 100%		
umber of Landown	ers Treated:	0		
lumber of Commun	ities Treated:	0		
Defoliated Area:	1,703			
Acres to be Retreate	d: 0			

Chesapeake Marshlands NWR Complex

	2002
Proposed Acres:	645 (with Gypchek)
Treated Acres:	645 (with Gypchek)
Project Objectives:	 Foliage protection (to prevent defoliation from exceeding 30% on 80% of host trees) Population reduction so that treatment will not be required in 2003
Contractor(s): Helio	copter Applicators Aircraft: Bell 205
Formulation(s):	Gypchek 1 gal/ac @ 4 x 10 (11) OBS/ac
Cost/acre (including	application):
Helicopter Applicat	tors \$26.50 ac Gypchek
Federal Share:	\$23,000
State Share:	\$0
Percent Acres Treat	ted: Federal 100
Percent Acres Treat	ted Successfully: 1.99% 2.92%
Number of Landowr	ners Treated: 0
Number of Commun	nities Treated: 0
Defoliated Area:	88 (2 acres in treatment blocks)
Acres to be Retreate	ed: 50

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Chesapeake Marshlands NWR Complex

			2003
Proposed Acres:	800 (with 0	Gypchek)	
Treated Acres:	800 (with 0	Gypchek)	
Project Objectives:	1. To reduce gy target organism		lations below damaging thresholds with the least impact to non
Contractor(s): Helic	opter Applicators		Aircraft: Bell 205
Formulation(s):	Gypchek	1.0	0 gal/ac @ 4 x 10 (11) OBS/ac
Cost/acre (including	application):		
Helicopter Applicat	ors	\$24.80 ac	Gypchek
Federal Share:	\$19,840		
State Share:	\$0		
Percent Acres Treate	ed: Federal	100	
Percent Acres Treate	ed Successfully:	1. 100%	
Number of Landown	ers Treated:	0	
Number of Commun	ities Treated:	0	
Defoliated Area:	0		
Acres to be Retreate	d: 0		

Cuyahoga Valley National Park

			2000	
Proposed Acres:	6,250 (5,4	50 ac. double B	tk; 800 ac. double G	ypchek)
Treated Acres:	7,140 (6,34	40 ac. double B	tk; 800 ac. double G	ypchek)
Project Objectives:	 Foliage protection (to prevent defoliation from exceeding 30% on 80% of host trees Population reduction so that treatment will not be required in 2001 			
Contractor(s): Earl	's Spray Service		Aircraft:	Turbine AgCat Turbine Thrush
Formulation(s):	Thuricide 48LV		96 oz/ac @ 36 BIU/	ac
	Gypchek		1 gal/ac @ 2 x 10 (11) Obs/ac
Cost/acre (including	g application):			
Earl's Spray Servi	се	\$13.62 ac	Gypchek	
Earl's Spray Servi	се	\$13.62 ac	Thuricide 48LV	
Federal Share:	\$194,494			
State Share:	\$0			
Percent Acres Treat	ted: Federal	100)	
Percent Acres Treat	ted Successfull	y: 1. 99% 2. 100%		
Number of Landow	ners Treated:	0		
Number of Commu	nities Treated:	0		
Defoliated Area:	259 (71 ad	cres within the t	reatment area)	
Acres to be Retreat	ed:			

Fredericksburg/Spotsylvania NMBP

2003
Proposed Acres: 100 (with Btk)
Freated Acres: 100 (with Btk)
Project Objectives:1. Foliage protection (limit defoliation less than of equal 30 percent).2. Population reduction below treatment threshold of 500 egg masses per acre
Contractor(s): Earl's Spray Service Aircraft: Turbine Thrush
Formulation(s): Foray 76B 0.5 gal/ac @ 38 BIU/ac
Cost/acre (including application):
Earl's Spray Service \$17.31 ac Foray 76B
Federal Share: \$1,731
State Share: \$0
Percent Acres Treated: Federal 100
Percent Acres Treated Successfully: 1. 100% 2. 100%
Number of Landowners Treated: 0
Number of Communities Treated: 0
Defoliated Area: 0
Acres to be Retreated: 0

		2001
Proposed Acres:	4,338 (2,79	'97 ac DFB; 1,030 ac. Double app. Btk, 522 ac. Single app of Btk)
Treated Acres:	4,338 (2,79	'97 ac DFB; 1,030 ac. Double app. Btk, 522 ac. Single app of Btk)
Project Objectives		ptection (limit defoliation less than of equal 40 percent reduction below treatment threshold
Contractor(s): Ag	Rotors	Aircraft: Bell 206
Formulation(s):	Thuricide 48LV Dimilin 4L	64 oz/ac @ 24 BIU/ac 1 gal/ac @ 2 oz/ai/ac
Cost/acre (includin	g application):	
Ag Rotors		\$39.90 ac Dimilin
Ag Rotors		\$32.20 ac Thuricide 48LV
Federal Share:	\$208,667	
State Share:	\$0	
Percent Acres Trea	ated: Federal	100
Percent Acres Trea	ated Successfull	ly: 1. 99% 2. 100%
Number of Landow	ners Treated:	0
Number of Commu	inities Treated:	0
Defoliated Area:	317,619 (10 ad	cres in the treatment blocks)
Acres to be Retrea	ted: 10	

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George Washington/Jefferson National Forest

			2002		
Proposed Acres:	8,046 (6,	743 ac. Btk; 1,038	3 ac. DFB; 265 ac. Gypchek)		
Treated Acres:	8,046 (6,	743 ac. Btk; 1,038	3 ac. DFB; 265 ac. Gypchek)		
Project Objectives	U 1		oliation less than of equal 40 percent treatment threshold		
Contractor(s): Su	mmit Helicopters	3	Aircraft: Bell 206		
Formulation(s):	Foray 48F Dimilin Gypchek		5 gal/ac @ 24 BIU/ac 1 gal/ac @ .50 oz/ai/ac 1 gal/ac@ 4 x 10 (11) OBS/ac		
Cost/acre (includin	g application):				
Summit Helicopte	ers	\$19.95 ac	Gypchek		
Summit Helicopte	ers	\$24.25 ac	Dimilin		
Summit Helicopte	ers	\$25.55 ac	Foray 48F		
Federal Share:	\$224,774				
State Share:	\$0				
Percent Acres Trea	ated: Federal	100			
Percent Acres Trea	ated Successfu	lly: 1. 99% 2. 98%			
Number of Landow	ners Treated:	0			
Number of Commu	inities Treated:	0			
Defoliated Area:	49,366 (100	acres in treatme	nt blocks)		
Acres to be Retrea	ted: 159				

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			2003
Proposed Acres:	2,507 (840	ac. Single Btk; 12	266 ac. Double Btk; 580 ac. Double Gypchek; 518 ac. DFB)
Treated Acres:	2,507 (840	ac. Single Btk; 12	266 ac. double Btk; 580 ac. Double Gypchek; 518 ac. DFB)
Project Objectives:	0 1	· ·	iation less than of equal 40 percent. reatment threshold
Contractor(s): Sur	nmit Helicopters		Aircraft: Bell 206-L3
Formulation(s):	Foray 48F	0.5	gal/ac @ 24 BIU/ac
	Dimilin	1.0	gal/ac @ 0.5 oz/ai/ac
	Gypchek	1.0	gal/ac @ 4 x 10 (11) OBS/ac
Cost/acre (includin	g application):		
Summit Helicopte	rs	\$18.55 ac	Gypchek
Summit Helicopte	rs	\$23.26 ac	Dimilin
Summit Helicopte	rs	\$23.55 ac	Foray 48F
Federal Share:	\$97,636		
State Share:	\$0		
Percent Acres Trea	ted: Federal	100	
Percent Acres Trea	ted Successfully	1. 100% 2. 100%	
Number of Landow	ners Treated:	0	
Number of Commu	nities Treated:	0	
Defoliated Area:	53,098 0		
Acres to be Retreat	ed: 0		

George Washington/Jefferson National Forest

Goddard Spce	Flight	Center		
			2003	
Proposed Acres:	42	(with Gypchek)		
Treated Acres:	42	(with Gypchek)		
Project Objectives:	1. To red target or		opulations below dama	ging thresholds with the least impact to non-
Contractor(s): Helic	copter App	licators	Aircraft:	Bell 205
Formulation(s):	Gypchek		1.0 gal/ac @ 4 x 10 (11) OBS/ac
Cost/acre (including	application	on):		
Helicopter Applicat	ors	\$20.75 ac	Gypchek	
Federal Share:	\$87	2		
State Share:	\$	60		
Percent Acres Treat	<mark>ed:</mark> Fede	eral	100	
Percent Acres Treat	ed Succes	ssfully: 1.100%		
Number of Landown	ers Treate	ed: 0		
Number of Commun	ities Trea	t ed: 0		
Defoliated Area:	0			
Acres to be Retreate	ed: 0			

Great Falls Area of C & O Canal

		2002
Proposed Acres:	298 (with Gypche	hek)
Treated Acres:	298 (with Gypche	hek)
Project Objectives:	U	(to prevent defoliation from exceeding 30% on 80% of host trees ion so that treatment will not be required in 2003
Contractor(s): Ag R	otors	Aircraft: Bell 206
Formulation(s):	Gypchek	1 gal/ac @ 4 x 10 (11) OBS/ac
Cost/acre (including	application):	
AgRotors, Inc.	\$24.43	43 ac Gypchek
Federal Share:	\$7,281	
State Share:	\$0	
Percent Acres Treat	ed: Federal	100
Percent Acres Treat	ed Successfully: 1.100 2.100	
Number of Landown	ers Treated: 0	0
Number of Commun	ities Treated: 0	0
Defoliated Area:	0	

Greenbelt Park	٢		
			2003
Proposed Acres:	352	(with Gypchek)	
Treated Acres:	352	(with Gypchek)	
Project Objectives:	1. To red target or	0, 1, 1, 1,	opulations below damaging thresholds with the least impact to non-
Contractor(s): Helic	copter App	licators	Aircraft: Bell 205
Formulation(s):	Gypchek		1.0 gal/ac @ 4 x 10 (11) BIU/ac
Cost/acre (including Hellicopter Applica		on): \$20.75 ac	Gypchek
Federal Share:	\$7,30	4	
State Share:	9	60	
Percent Acres Treat	<mark>ed:</mark> Fede	ral	100
Percent Acres Treat	ed Succes	ssfully: 1.100%	
Number of Landown	ers Treat	ed: 0	
Number of Commun	ities Trea	t ed: 0	
Defoliated Area:	0		
Acres to be Retreate	ed: 0		

Harpers Ferry National Historic Park

	2001		
Proposed Acres:	1,195 (1,195 double app Gypchek)		
Treated Acres:	1,195 (1,195 double app Gypchek)		
Project Objectives:	 Foliage Protection (to prevent defoliation from exceeding 30% on 80% of host trees) Population reduction so that treatment will not be required in 2002 		
Contractor(s): Ag F	Rotors Aircraft: Bell 205		
Formulation(s):	Gypchek 1 gal/ac @ 10 (10) Obs/ac		
Cost/acre (including	application):		
Ag Rotors	\$26.40 ac Gypchek		
Federal Share:	\$11,225		
State Share:	\$0		
Percent Acres Treat	ed: Federal 100		
Percent Acres Treat	ed Successfully: 1. 85% 2. 79%		
Number of Landowr	ners Treated: 0		
Number of Commun	ities Treated: 0		
Defoliated Area:	180 (175 acres in treatment blocks)		
Acres to be Retreate	ed: 250		

Harpers Ferry National Historic Park

			2002	
roposed Acres:	250 (with	n Gypchek)		
reated Acres:	250 (with	n Gypchek)		
			ent defoliation from excee t treatment will not be re	
ontractor(s): Ag Roto	ors		Aircraft: Bel	II 206
nulation(s): Gy	pchek		1 gal/ac @ 4 x 10 (11) C	DBS/ac
t/acre (including ap	oplication):			
gRotors, Inc.		\$24.43 ac	Gypchek	
eral Share:	\$6,108			
e Share:	\$0			
cent Acres Treated:	Federal	100		
cent Acres Treated	Successfull	y: 1.100% 2.100%		
mber of Landowners	s Treated:	0		
mber of Communitie	s Treated:	0		
foliated Area:	0			
cres to be Retreated:	0			

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James J. Rowley Training Center

			2003
Proposed Acres:	92	(with Gypchek)	
		(with Gypchek)	
Treated Acres:		,	
Project Objectives:	1. To redu target org		pulations below damaging thresholds with the least impact
Contractor(s): Helio	copter Appli	cators	Aircraft: Bell 205
Formulation(s):	Gypchek		1.0 gal/ac @ 4 x 10 (11) BIU/ac
Cost/acre (including	applicatio	n):	
Helicopter Applicat	ors	\$20.75 ac	Gypchek
Federal Share:	\$1,909	9	
State Share:	\$0)	
Percent Acres Treat	<mark>ed:</mark> Feder	al 10	00
Percent Acres Treat	ed Succes	sfully: 1.100%	
Number of Landowr	ers Treate	d: 0	
Number of Commun	ities Treate	ed: 0	
Defoliated Area:	0		
Acres to be Retreate	ed: 0		

2000						
Proposed Acres:	18,930 (6,4)	62 ac. Btk; 1	2,468 ac. DFB)			
Treated Acres:	16,971 (7,3	14 ac. Btk; 9	9,657 ac. DFB)			
Project Objectives:				al to 30% on 90% of foliage) be required in 2001 with DFB		
Contractor(s): Helic		rs	Aircraft:			
Air E	interprises		Bell 206			
				Bell Soloy Piston Ag-Cat		
				C C		
	Thuricide 48LV Thuricide 48LV		0.5 gal/ac @ 24 BIU 96 oz/ac @ 36 BIU			
	Dimilin		1 gal/ac @ .25 oz/			
			1 gu/uo 🤤 .20 02/			
Cost/acre (including	application):	* • • * •				
Air Enterprises Helicopter Applicat	ore	\$16.59 ac \$18.49 ac		Eastern Shore		
Helicopter Applicat		\$20.48 ac				
Helicopter Applicat		\$31.21 ac				
Federal Share:	\$607,000					
State Share:	\$731,511					
Percent Acres Treat	ed: Federal		2			
	State		46			
	Private		52			
Percent Acres Treated Successfully: 1. 96% 2. 79%						
Number of Landowners Treated: 3,323						
Number of Commun	ities Treated:	500				
Defoliated Area:	23,231 (647 a	acres in trea	tment blocks)			
Acres to be Retreated:						

	2001			
Proposed Acres:	49,866 (24,572 ac. Btk; 25,294 ac. DFB)			
Treated Acres:	48,588 (27,594 ac. Btk; 20,994 ac. DFB)			
Project Objectives	 Foliage protection (defoliation less than or equal to 30% on 90% of foliage) Population reduction so that treatment will not be required in 2002 with DFB 			
Pri	icopter Applicators Aircraft: Bell 204 Bell 205 Bell 206B OH58 Piper Aztec Turbo Thrush UH1H			
Formulation(s):	Thuricide 48LV0.5 gal/ac @ 24 BIU/acThuricide 48LV96 oz/ac @ 36 BIU/acDimilin1 gal/ac @ .25 oz/ai/ac			
Cost/acre (includin				
Ag Roters Ag Roters Helicopter Applica Prime Air	\$24.04 ac Dimilin \$28.63 ac Thuricide 48LV			
Federal Share:	\$934,000			
State Share:	\$1,117,503			
Percent Acres Trea	tted:Federal1State50Private49			
Percent Acres Treated Successfully: 1. 92% 2. 93%				
Number of Landow	ners Treated: 15,323			
Number of Commu	nities Treated: 0			
Defoliated Area: 46,183 (4,028 acres in treatment blocks)				
Acres to be Retreated: 6,947				

			2002		
Proposed Acres:	46,837 (22	2,896 ac. Btk;	23,941 ac. DFB)		
Treated Acres:	39,263 (21	l,213 ac. Btk;	18,050 ac. DFB)		
Project Objectives:	01	 Foliage protection (defoliation less than or equal to 30% on 90% of foliage) Population reduction so that treatment will not be required in 2003 with DFB 			
Aer	icopter Applicat ergreen Helicop o Tech te Owned		Aircraft:	Air Tractor 802 Bell 205 Bell 206 Bell 212 Bell 47 Soloy Piper Aztec	
Formulation(s):	Thuicide 48LV Foray 48F Foray 48F Dimilin Dimilin	,	0.5 gal/ac @ 24 BIU 0.5 gal/ac @ 24 BIU 96 oz/ac @ 36 BIU 1 gal/ac @ .25 oz/ 1 gal/ac @ .32 oz/	/ac /ac ai/ac	
Cost/acre (includin	g application):				
Aero Tech Aero Tech Evergreen Helicop Evergreen Helicop Helicopter Applica Helicopter Applica Helicopter Applica	oters ators ators ators	\$6.64 ac \$6.64 ac \$21.90 ac \$16.09 ac \$19.03 ac \$19.03 ac \$31.72 ac \$31.72 ac	Dimilin Foray 48F Thuricide 48LV Dimilin Dimilin Foray 48F Dimilin Foray 48F	Cecil County Cecil County Central Central Western Western Southern metro Southern metro	
Federal Share:	\$905,565				
State Share: Percent Acres Trea	\$905,565 ted: Federal State Private		1 (Department of Ir 19 80	nterior)	
Percent Acres Treated Successfully: 1.98% 2.97%					
Number of Landowners Treated: 15,254					
Number of Commu	nities Treated:	0			
Defoliated Area:13,739(694 acres in treatment blocks)Acres to be Retreated:627					

			2003	
Proposed Acres:	15,001 (5,70	00 ac. Btk; 9,30 ²	l ac. DFB)	
Treated Acres:	14,053 (5,64	46 ac. Btk; 8,406	ac DFB)	
Project Objectives:			on less than or equal to 30% on 90% of foliage). treatment will not be required in 2004 with DFB	
Contractor(s): Heli Prov	copter Applicator vine Helicopters	S	Aircraft: Ayers Thrush Bell 206B OH-58	
Formulation(s):	Foray 76B Foray 48F Thuricide 48LV	0.	4 gal/ac @ 36 BIU/ac 5 gal/ac @ 24 BIU/ac 5 gal/ac @ 24 BIU/ac	
Cost/acre (including	g application):			
Helicopter Applica Helicopter Applica Helicopter Applica Provine Helicopter Provine Helicopter Provine Helicopter	tors (project 120) tors (project 123) s (project 121) s (project 121)	\$9.10 ac	Dimilin Foray 48F @ 24/BIU Foray 76B @ 34 BIU/ac metro areas Dimilin Thuricide 48LV Foray 76B @ 24 BIU/ac metro areas	
Federal Share:	\$750,000			
State Share:	\$878,772			
Percent Acres Treat	ted: Federal State Private	0 26 74		
Percent Acres Treated Successfully: 1.100% 2.98%				
Number of Landowners Treated: 0				
Number of Commun	nities Treated:	0		
Defoliated Area:5,141 (112 acres in the treatment blocks)Acres to be Retreated:243				

Maryland Department of Agriculture

		2004
Proposed Acres:	660	(with Btk)
Treated Acres:	660	(All Btk)
Project Objectives:		e protection (defoliation less than or equal to 30%). ation reduction so that treatment will not be required in 2005
Contractor(s): MDA		Aircraft: Piper Aztec
Formulation(s):	Foray 76B	43 oz/ac @ 24 BIU/ac
Cost/acre (including	applicatio	on):
MDA		
Federal Share:	\$227,000	0
State Share:	\$256,000	0
Percent Acres Treate	ed: Pivate	e 100
Percent Acres Treate	ed Succes	sfully: 1. 100 2. 100
Number of Landown	ers Treate	d: 0
Number of Commun	ities Treat	ed: 0
Defoliated Area:	0	
Acres to be Retreate	d: 0	

		2006	
Proposed Acres:	25,502 (14,	,634 with Btk; 10,868 with Dimilin)	
Treated Acres:	25,454 (14,	,605 ac. With Btk, 10,849 ac. with Dimilin)	
Project Objectives:	2. To reduce	t defoliation from exceeding 30 percent of host trees. populations below pre-treatment thresholds so that treatment would not be following year.	
Contractor(s): Helicopter Applicators Aircraft: Bell 204 Bell 206			
Formulation(s):	Foray 48F	24 BIU/ac	
	Dimilin	3/4 gal/ac @ 0.25 oz/ai/ac	
Cost/acre (including	g application):		
Helicopter Applica	tors	\$15.73 ac Dimilin	
Helicopter Applica	tors	\$23.27 ac Foray 48F	
Federal Share:	\$445,500		
State Share:	\$707,290		
Percent Acres Treat	ted: private state	42 58	
	Federal	0	
Percent Acres Treated Successfully:1. Based on objective 1 listed above = 90.2%2. Based on objective 2 listed above = not available.			
Number of Landowners Treated: 0			
Number of Commur	nities Treated:	0	
Defoliated Area: 15,793 (2,497 in treated areas)			
Acres to be Retreated: 0			

2007				
Proposed Acres:	65,035 (39,	431 with Btk, 25	,604 with Dimilin)	
Treated Acres:	50,172 (34,	363 with Btk, 15	,810 with Dimilin)	
Project Objectives:	2. To reduce		exceeding 30% of h w pre-treatment thre	nost trees. esholds so that treatment would not be
Contractor(s): Sur	nmit Helicopters		Aircraft:	Bell 205 A1 Bell 206 L3 Bell 206 L4
Formulation(s):	Foray 48F		24 BIU/	
	Dimilin	3/	4 gal/ac @ 0.25 oz	/ai/ac
Cost/acre (includin	g application):			
Summit Helicopte	rs, Inc.	23.60	Dimilin	
Summit Helicopte	rs, Inc.	32.20	Foray 48F	
Federal Share:	\$562,000			
State Share:	\$1,824,223			
Percent Acres Trea	t ed: Private State Federal	58 41 1		
Percent Acres Treated Successfully:1. 91% based on objective 1 listed above.2. 63% based on objective 2 listed above.				
Number of Landowners Treated: 0				
Number of Communities Treated: 0				
Defoliated Area:	Defoliated Area: 68,460 (4,706 acres in treated area)			
Acres to be Retreat	t <mark>ed:</mark> 34316			

Michigan Department of Agriculture

		2000				
Proposed Acres:	91,095 (85,924 ac. wi	th Btk; 5,171 ac. with Gypchek)				
Treated Acres:	78,439 (73,408 ac. with Btk; 5,031 ac. with Gypchek)					
Project Objectives:	 Foliage protection (preserve 60% of foliage) Population reduction below pre-treatment threshold 					
Contractor(s): Al's Hat	Aerial Spraying field's Spraying Service	Aircraft: Air Tractor 502 Dromader Turbine Thrush				
Formulation(s):	Foray 48F	64 oz/ac @ 24 BIU/ac				
	Foray 76B	43 oz/ac @ 24 BIU/ac				
	Thuricide 48LV	64 oz/ac @ 24 BIU/ac				
	Gypchek	1 gal/ac @ 2 x 10 (11) Obs/ac				
Cost/acre (includin	g application):					
	\$13.47 a	ac - \$31				
Federal Share:	\$1,418,000					
State Share:	\$1,993,426					
Percent Acres Trea	t ted: State Private	2 (Buffer areas only) 99				
Percent Acres Treated Successfully: 1. 98% 2. 100%						
Number of Landow	Number of Landowners Treated: 79,000					
Number of Commu	Number of Communities Treated: 19					
Defoliated Area:	96,929 (1,500 acres in	treatment blocks)				
Acres to be Retrea	ted:					

Michigan Department of Agriculture

		2001		
Proposed Acres:	6,465 (5,	906 ac. with Btk; 559 ac. with Gypchek)		
Treated Acres:	5,947 (5,	388 ac. with Btk; 559 ac. with Gypchek)		
Project Objectives	Project Objectives: 1. Foliage protection (preserve 60% of foliage) 2. Population reduction below pre-treatment threshold			
•	es Flying Servic Spraying Servic Rotors			
Formulation(s):	Foray 48F	64 oz/ac @ 24 BIU/ac		
	Foray 76B	43 oz/ac @ 24 BIU/ac		
	Thuricide 48L ^v Gypchek	<pre>/ 64 oz/ac @ 24 BIU/ac 1 gal/ac @ 2 x 10 (11) Obs/ac</pre>		
Cost/acre (includin	g application):			
Ag Rotors		\$49.70 ac		
Ag Spraying Serv Lutes Flying Serv		\$16.83 ac \$21.72 ac		
Federal Share:	\$300,000			
State Share:	\$374,000			
Percent Acres Trea	ated: Private	100		
Percent Acres Treated Successfully: 1. 100% 2. 100%				
Number of Landowners Treated:		6,713 55,000 recreational users in recreational areas		
Number of Commu	inities Treated:	80		
Defoliated Area:	0			
Acres to be Retrea	ted: 0			

Michigan Department of Agriculture

			2002	
Proposed Acres:	2,564 (with	Btk)		
Treated Acres:	2,271 (with	Btk)		
Project Objectives:	0 1		e 60% of foliage) pre-treatment thres	hold
Contractor(s): Ag	Spraying Service		Aircraft:	Weatherly 620B
Formulation(s):	Thuricide 48LV	0.	.5 gal/ac @ 24 BIU/a	ac
Cost/acre (includin	g application):			
Ag Spraying Serv	ice	\$14.87 ac	Thuricide 48LV	
Federal Share:	\$844,900			
State Share:	\$844,900			
Percent Acres Trea	ted: Private	100		
Percent Acres Trea	ted Successfully	/: 1.100% 2.100%		
Number of Landow	ners Treated:	0		
Number of Commu	nities Treated:	0		
Defoliated Area:	0			
Acres to be Retreat	ed: 0			

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Michigan Department of Agriculture

	30,000 (with			
Tracted Acres	30,000 (Witi	h Btk)		
meated Acres:	20,200 (with	h Btk)		
			erve 60% of foliage). low pre-treatment thre	eshold
Contractor(s): Maurio	ce's Flying Ser	vice	Aircraft	Ayers Turbine Thrush
Formulation(s): F	oray 48F		0.5 gal/ac @ 24 BIL	J/ac
Cost/acre (including a	application):			
Maurice's Flying Ser	vice	\$9.68 ac	Foray 48F	Bid Item #2
Maurice's Flying Ser	vice	\$8.92 ac	Foray 48F	Bid Item #1
Federal Share:				
State Share:				
Percent Acres Treated	d: State		1	
	Private		99	
Percent Acres Treated	d Successfull	y:		
Number of Landowne	ers Treated:	0		
Number of Communit	ies Treated:	0		
Defoliated Area: 72,085				
Acres to be Retreated	ł:			

Michigan Department of Agriculture

	2005			
Proposed Acres:	4,433 (with	Btk)		
Treated Acres:	4,316 (with	Btk)		
Project Objectives:	 Seventy-five to be acceptable Seventy percent 	5% defoliation on 90% or more of the acres treated. e percent of residents in treated blocks will indicate they find defoliation control le to highly satisfied. cent of residents in treated blocks will indicate they find nuisance control to be hey were highly satisfied.		
Contractor(s): Hatfield's Spraying Service Aircraft: Grumman 164-B Turbo AgCat				
Formulation(s):	Foray 48F	1/2 gal/ac @ 24/BIU ac		
Cost/acre (includin	g application):			
Hatfield's Srpay S	ervice	\$28.75 ac Foray 48F		
Federal Share:	\$332,635			
State Share:	\$332,635			
Percent Acres Treated: Private 100				
Percent Acres Trea	ted Successfully:	 r: 1. 98.9% of blocks evaluated had less than 25% defoliation. 2. 76% found defoliation protection to be "Acceptable" or were "highly Satisified" 3. 75% found nuisance reduction to be "acceptable" or they were "highly satisfied" 		
Number of Landowners Treated:		0		
Number of Commu	nities Treated:	0		
Defoliated Area:	149,207 N/A			
Acres to be Retreat	ed: 0			

Monocacy National Battlefield 2003 **Proposed Acres:** 40 (with Gypchek) 40 (with Gypchek) **Treated Acres: Project Objectives:** 1. To reduce gypsy moth populations below damaging thresholds with the least impact to nontarget organisms. Aircraft: Bell 205 Contractor(s): Helicopter Applicators 1.0 gal/ac @ 4 x 10 (11) OBS/ac Formulation(s): Gypchek **Cost/acre (including application):** Helicopter Applicators Gypchek \$20.75 ac Federal Share: \$830 **State Share:** \$0 Percent Acres Treated: Federal 100 Percent Acres Treated Successfully: 1.100% Number of Landowners Treated: 0 **Number of Communities Treated:** 0 **Defoliated Area:** 0 Acres to be Retreated: 0

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Monongahela National Forest

2001		
Proposed Acres:	14,840 (14,840	ac. Btk)
Treated Acres:	14,104 (565 ac.	Btk (single app; 13,449 ac. Double app)
Project Objectives:	 Foliage protection (limit defoliation to less than or equal to 40%) Population reduction below treatment threshold 	
Contractor(s): Mau	urice's Flying Service	Aircraft: Turbine Thrush
Formulation(s):	Foray 76B	43 oz/ac @ 24 BIU/ac
	Thuricide 76LV	43 oz/ac @ 24 BIU/ac
Cost/acre (including application):		
Maurice's Flying S	Service \$1	4.62 ac Btk
Federal Share:	\$396,000	
State Share:	\$O	
Percent Acres Treated: Federal 100		
Percent Acres Treated Successfully: 1.97% 2. 61%		
Number of Landowners Treated:		
Number of Communities Treated:		
Defoliated Area: 46,039 (455 acres within the treatment blocks)		
Acres to be Retreated: no retreat		

Monongahela National Forest 2003 **Proposed Acres:** 4,400 (with Btk) 4,236 (with Btk) **Treated Acres:** Project Objectives: 1. Foliage protection (limit defoliation to less than or equal to 40%). 2. Population reduction below treatment threshold Aircraft: Turbine Thrush Contractor(s): Maurice's Flying Service 0.75 gal/ac @ 36 BIU/ac Formulation(s): Foray 48F **Cost/acre (including application):** Maurice's Flying Service Foray 48F \$19.45 ac Federal Share: \$85,580 **State Share:** \$0 Percent Acres Treated: Federal 100 Percent Acres Treated Successfully: 1.100% 2.100% Number of Landowners Treated: 0 **Number of Communities Treated:** 0 **Defoliated Area:** 8,585

Acres to be Retreated: 0

	Compi	asin a biotechnology Lab
		2003
Proposed Acres:	60	(with Gypchek)
Treated Acres:	60	(with Gypchek)
Project Objectives:	1. To redu target orga	uce gypsy moth populations below damaging thresholds with the least impact to non- ganisms.
Contractor(s): Helio	copter Applic	icators Aircraft: Bell 205
Formulation(s):	Gypchek	1.0 gal/ac @ 4 x 10 (11) OBS/ac
Cost/acre (including	g applicatio	on):
Helicopter Applica	tors	\$20.75 ac Gypchek
Federal Share:	\$1,245	5
State Share:	\$0	0
Percent Acres Treat	ed: Federa	ral 100
Percent Acres Treat	ed Success	ssfully: 1.100%
Number of Landowr	ners Treated	ed: 0
Number of Commur	nities Treate	ed: 0
Defoliated Area:	0	
Acres to be Retreate	ed: 0	

National Plant Germplasm & Biotechnology Lab

National Plant Materials Center 2003 **Proposed Acres:** 72 (with Gypchek) 72 (with Gychek) **Treated Acres:** Project Objectives: 1. To reduce gypsy moth populations below damaging thresholds with the least impact to nontarget organisms. Aircraft: Bell 205 Contractor(s): Helicopter Applicators 1.0 gal/ac @ 4 x 10 (11) OBS/ac Formulation(s): Gypchek **Cost/acre (including application):** Helicopter Applicators Gypchek \$20.75 ac Federal Share: \$1,494 **State Share:** \$0 Percent Acres Treated: Federal 100 Percent Acres Treated Successfully: 1.100% Number of Landowners Treated: 0 Number of Communities Treated: 0 **Defoliated Area:** 0 Acres to be Retreated: 0

New Jersey Department of Agriculture

		2000
Proposed Acres:	385 (with Btk)	
reated Acres:	385 (with Btk)	
Project Objectives:		ent defoliation from exceeding 30% on 80% of the host trees) at treatment will not be required in 2001
Contractor(s): Dow	nstown Aero Crop Service	Aircraft: Radial AgCat
Formulation(s):	Foray 48B 8	81 oz/ac @ 30 BIU/ac
Cost/acre (including	application):	
Downstown Aero C	Crop Service \$18.84 ac	Foray 48B
ederal Share:	\$85,000	
State Share:	\$102,989	
Percent Acres Treat	ed: Private 100	
Percent Acres Treat	ed Successfully: 1. 100% 2. 5%	
lumber of Landowr	ners Treated: 80	
lumber of Commun	ities Treated: 3	
Defoliated Area:	132,762	
Acres to be Retreate	ed:	

New Jersey Department of Agriculture

			2001			
Proposed Acres:	12,841 (with	n Btk)				
Treated Acres:	12,714 (with	n Btk)				
Project Objectives:			revent defoliation from e that treatment will not b	exceeding 30% on 80% of the host trees) be required in 2001		
Contractor(s): Dow	nstown Aero Cr	op Service	Aircraft:	Piper Aztec Radial AgCat		
Formulation(s):	Foray 48B		81 oz/ac @ 30 BIU/a	ac		
Cost/acre (including	application):					
Downstown Aero C	Crop Service	\$16.96 ac	Foray 48B	Northern Contract		
Downstown Aero C	Crop Service	\$14.23 ac	Foray 48B	Southern Contract		
Federal Share:	\$277,700					
State Share:	\$240,763					
Percent Acres Treat	ed: State		33			
	Private		67			
Percent Acres Treated Successfully: 1. 64% 2. 33%						
Number of Landown	ers Treated:	16,325				
Number of Commun	ities Treated:	29				
Defoliated Area: 140,838 (4,560 acres in treatment blocks)						
Acres to be Retreate	ed: 8,470					

New Jersey Department of Agriculture

	2002							
Proposed Acres:	24,000 (24,000 (23,237 ac. single Btk; 763 ac. double Btk)						
Treated Acres:	23,444 (22,681 ac. single Bt	k; 763 ac. double B	tk)				
Project Objectives:	•	protection (to preve ion reduction so that		exceeding 30% on 80% of the host trees) be required in 2003				
Contractor(s): Downstown Aero Crop Service Aircraft: Dromader King Air Radial AgCat								
Formulation(s):	Foray 48F	9	6 oz/ac @ 36 BIU/	ac				
Cost/acre (including	application):						
Downstown Aero C	Crop Service	\$20.42 ac	Foray 48F	Northern Contract				
Downstown Aero (Crop Service	\$17.96 ac	Foray 48F	Southern Contract				
Federal Share:	\$360,000							
State Share:	\$360,000							
Percent Acres Treat	ed: Private	100						
Percent Acres Treated Successfully: 1.84% 2.94%								
Number of Landowners Treated:								
Number of Communities Treated: 34								
Defoliated Area:	41,750 (3	,370 acres defoliate	d in treatment block	s)				
Acres to be Retreated: 1,434								

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New Jersey Department of Agriculture

	2003					
Proposed Acres: 6,260 (with Bt	k)					
Treated Acres: 3,351 (1,800 S	Single Btk, 1,226 Doub	le Btk)				
a 1	tion (to prevent defolia uction so that treatmer		30% on 80% of the host trees). I in 2004			
Contractor(s): Downstowns Aero Crop	Service	Aircraft: King Air Piston Ag	g-Cat			
Formulation(s): Foray 48B	0.75 gal/ac @	2 36 BIU/ac				
Cost/acre (including application):						
Downstown Aero Crop Service \$	17.96 ac Foray	48B S	Southern Contract			
Downstowns Aero Crop Service \$2	20.24 ac Foray	48B N	Northern Contract			
Federal Share: \$211,750						
State Share: \$222,212						
Percent Acres Treated: Federal	0					
State	20					
Private	80					
Percent Acres Treated Successfully: 1.100% 2.100%						
Number of Landowners Treated:	0					
Number of Communities Treated:	0					
Defoliated Area: 5,141						
Acres to be Retreated: 0						

New Jersey Department of Agriculture

		200	6			
Proposed Acres:	16,632 (16,632	ac. Btk)	-			
		,				
Treated Acres:		ac. Btk)				
Project Objectives:	•	lations below pre-tre	•	80% or more of host trees. sholds so that treatment would not be		
Contractor(s): Dow	nstown Aero Crop S	Service	Aircraft:	Ag Cat Dromader M-18		
Formulation(s):	Foray 48B	0.75 gal/ad	2 @ 36 BIU/	ac		
Cost/acre (including	application):					
Downstown Aero C	Crop Service \$	39.44 ac		south		
Downstown Aero C	Crop Service \$	39.94 ac		north		
Federal Share:	\$395,010					
State Share:	\$957,943					
Percent Acres Treat	ed: private	89				
	state	9				
	federal	2				
Percent Acres Treated Successfully: 1.77% 2.47%						
Number of Landowr	ers Treated:	0				
Number of Commun	ities Treated:	0				
Defoliated Area: 125,743 (45,846 acres in the treatment area)						
Acres to be Retreate	ed: 24,325					

New Jersey Department of Agriculture

	2007						
Proposed Acres:	62,460 (39	,697 acres 22,7	63 acres treated twice	e)			
Treated Acres:	62,460 (39	,697 acres 22,7	63 acres treated twice	e)			
Project Objectives:	2. To reduce		low pre-treatment thr	80% or more of host trees. resholds so that treatment would not be			
Contractor(s): Downstown AeroCrop Service Aircraft: Ag Cat Air Tractor 50 Bell 206 Dromader				Air Tractor 502 Bell 206			
Formulation(s):	Foray 76B		38 BIU/3	ac			
Cost/acre (including	application):						
Downstown AeroC	rop Service	39.44/ac	Btk	North			
Downstown AeroC	rop Service	39.44/ac	Btk	South			
Federal Share:	\$1,495,990						
State Share:	\$1,500,991						
Percent Acres Treat	ed: Private Federal	9	8 2				
Percent Acres Treated Successfully: 1. 16% of Objective 1. 2. 34% of Objective 2.							
Number of Landowners Treated: 0							
Number of Communities Treated: 0							
Defoliated Area: 320,610 (33,488 acres in the treatment area)							
Acres to be Retreated: 26108							

New Jersey Forest Service

			2002				
Proposed Acres:	6,000 (5,1	67 ac. single Btk	; 833 ac. double Btk)			
Treated Acres:	2,716 (1,8	83 ac. single Btk	; 833 ac. double Btk)			
Project Objectives:	• •	· ·	ent defoliation from ex t treatment will not b	xceeding 30% on 80% of the host trees) e required in 2003			
Contractor(s): Downstown Aero Crop Service Aircraft: King Air Radial AgCat							
Formulation(s): F	oray 48F	ç	96 oz/ac @ 36 BIU/a	ic .			
Cost/acre (including	application):						
Downstown Aero Cr	op Service	\$20.42 ac	Foray 48F	Northern Contract			
Federal Share:	\$55,000						
State Share:	\$55,000						
Percent Acres Treate	d: State	100					
Percent Acres Treate	Percent Acres Treated Successfully: 1. 100% 2. 100%						
Number of Landowne	ers Treated:	0					
Number of Community	ties Treated:	0					
Defoliated Area:	0						
Acres to be Retreated	d: 0						

New Jersey Forest Service 2003 **Proposed Acres:** 1,000 (with Btk) 901 (with Btk) **Treated Acres: Project Objectives:** 1. Foliage protection (to prevent defoliation from exceeding 30% on 80% of the host trees). 2. Population reduction so that treatment will not be required in 2004 Aircraft: King Air Contractor(s): Downstown Aero Crop Service Piston Ag-Cat Formulation(s): Foray 48B 0.75 gal/ac @ 36 BIU/ac **Cost/acre (including application):** Downstowns Aero Crop Service \$20.24 ac Foray 48B Northern Contract **Federal Share:** \$30,000 State Share: \$30,000 Percent Acres Treated: State 100 Percent Acres Treated Successfully: 1.100% 2.100% Number of Landowners Treated: 0 **Number of Communities Treated:** 0 **Defoliated Area:** 0 Acres to be Retreated: 0

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Nicolet National Forest

			2002
Proposed Acres:	250	(with Gypchek)	
Treated Acres:	306	(with Gypchek)	
Project Objectives:	Prevent de	efoliation above 50%	,
Contractor(s): Al's A	erial Spray	ing	Aircraft: Air Tractor 502
Formulation(s):	Sypchek		1 gal/ac @ 2 x 10 (11) Obs/ac
Cost/acre (including a	applicatio	n):	
Al's Aerial Spraying		\$23.85 ac	Gypchek
Federal Share:	\$7,900)	
State Share:	\$C)	
Percent Acres Treate	d: Federa	al 100	
Percent Acres Treate	d Success	sfully: 1.100%	
Number of Landowne	ers Treated	d: 0	
Number of Communit	ties Treate	ed: 0	
Defoliated Area:	0		
Acres to be Retreated	: 0		

			2000			
Proposed Acres:	34,201 (7,1	25 ac single	e Btk; 26,763 ac. double Btk; 50 Ac. double Gypchek; 262 ac. DFB)			
Treated Acres:	35,250 (7,0	76 ac. single	le Btk; 27,862 ac. double Btk; 50 ac. double Gypchek; 262 ac. DFB)			
Project Objectives	01		prevent defoliation from exceeding 30% on 80% of host trees) so that treatment will not be required in 2001 with DFB			
Contractor(s): Ea	'l's Spray Service		Aircraft: Turbine AgCat Turbine Thrush			
Formulation(s):	Thuricide 48LV		96 oz/ac @ 36 BIU/ac			
	Dimilin		1 gal/ac @ .25 oz/ai/ac			
	Gypchek		1 gal/ac @ 2 x 10 (11) Obs/ac			
Cost/acre (includin	g application):					
Earl's Spray Serv	ice	\$13.62 ac	c Gypchek			
Earl's Spray Serv	ice	\$15.00 ac	c Dimilin			
Earl's Spray Serv	ice	\$13.62 ac	c Thuricide 48LV			
Federal Share:	\$580,430					
State Share:	\$606,052					
Percent Acres Trea	ated: State		7			
	Private		93			
Percent Acres Trea	ated Successfull	y: 1. 97% 2. 62%				
Number of Landowners Treated: 36,000						
Number of Communities Treated: 35						
Defoliated Area:	Defoliated Area: 23,267 (200 acres within treatment blocks)					
Acres to be Retreated:						

		2001
Proposed Acres:	36,962 (8,319 ac. s	ngle Btk; 9,998 ac. double Btk; 244 ac. double Gypchek; 8,159 ac. DFB)
Treated Acres:	36,226 (8,319 ac. s	ngle Btk; 9,998 ac. double Btk; 244 ac. double Gypchek; 7,423 ac. DFB)
Project Objectives:		to prevent defoliation from exceeding 30% on 80% of host trees) n so that treatment will not be required in 2002 with DFB
Contractor(s): Ear	's Spray Service	Aircraft: Turbine AgCat Turbine Thrush
Formulation(s):	Thuricide 48LV	96 oz/ac @ 36 BIU/ac
	Dimilin	1 gal/ac @ .25 oz/ai/ac
	Gypchek	1 gal/ac @ 2 x 10 (11) Obs/ac
Cost/acre (includin	g application):	
Earl's Spray Serv	ce \$13.6	2 ac Gypchek
Earl's Spray Serv	ce \$15.0) ac Dimilin
Earl's Spray Serv	ce \$13.6	2 ac Thuricide 48LV
Federal Share:	\$396,000	
State Share:	\$401,000	
Percent Acres Trea	ted: State Private	10 90
Percent Acres Trea	ted Successfully: 1. 9 2. 5	1%
Number of Landow	ners Treated:	0
Number of Commu	nities Treated:	0
Defoliated Area:	42,459 (3,344 acres	n treatment blocks)
Acres to be Retreat	ed: 2,137	

			2002				
Proposed Acres:	16,216 (3,04	18 ac. single	Btk; 5,735 ac	double B	tk; 1,698 ac. DFB)		
Treated Acres:	15,983 (8,55	50 ac. single	Btk; 5,735 ac	double B	tk; 1,698 ac. DFB)		
Project Objectives:	 Foliage prot Population r 	· ·			xceeding 30% on 80% of host trees)		
Contractor(s): Ear	l's Spray Service			Aircraft:	Turbine Thrush		
Formulation(s):	Thuricide 76LV		43 oz/ac @	24 BIU/a	ac		
	Dimilin		1 gal/ac @	.38 oz/a	i/ac		
Cost/acre (including	g application):						
Earl's Spray Servi	се	\$15.00 ac	Dimilin				
Earl's Spray Servi	се	\$13.62 ac	Thurici	de 76LV			
Federal Share:	\$280,000						
State Share:	\$280,000						
Percent Acres Trea	ted: State		4				
	Private		96				
Percent Acres Treated Successfully: 1. 99% 2. 100%							
Number of Landow	0						
Number of Commu	Number of Communities Treated: 0						
Defoliated Area:	2,531 (10 ac	res in treatn	nent block)				
Acres to be Retreated: 0							

			2003	
Proposed Acres:	2,126 (279	ac. Btk; 1,847 ac	c. DFB)	
Treated Acres:	2,055 (408	ac. Btk; 1,647 ac	c. DFB)	
Project Objectives:	5 1	tection (to prever eduction of 80%		exceeding 30% on 80% of host trees).
Contractor(s): Prin	ne Air		Aircraft:	Turbine Thrush
Formulation(s):	Foray 76B	0.5	gal/ac @ 38 BIU/	ac
	Dimilin	1.0	gal/ac @ 0.5 oz/a	ai/ac
Cost/acre (including	g application):			
Prime Air		\$17.80 ac	Dimilin	
Prime Air		\$22.48 ac	Foray 76B	
Federal Share:	\$125,000			
State Share:	\$125,000			
Percent Acres Trea	ted: Private	100		
Percent Acres Trea	ted Successfully	y: 1.100% 2.100%		
Number of Landow	ners Treated:	0		
Number of Commu	nities Treated:	0		
Defoliated Area:	3,414			
Acres to be Retreat	ed: 0			

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			2004	
Proposed Acres:	290 ((with Btk)		
Treated Acres:	294 ((with Btk)		
Project Objectives:			ation less than or equanat treatment will not	
Contractor(s): Prim	e Air		Aircraft:	Turbine Thrush
Formulation(s):	Foray 48F		0.5 gal/ac @ 24 BIU/	ac
Cost/acre (including	application	n):		
Prime Air		\$22.48 ac	Foray 48F	
Federal Share:	\$65,450			
State Share:	\$68,777			
Percent Acres Treat	ed: Private	e 10	0	
Percent Acres Treat	ed Success	fully: 1. 100 2. 100		
Number of Landown	ers Treated	: 0		
Number of Commun	ities Treate	d: 0		
Defoliated Area:	5,731			
Acres to be Retreate	d: 0			

Ohio Department of Agriculture							
	2005						
Proposed Acres:	266 (with Btk)						
Treated Acres:	266 (with Btk)						
Project Objectives:	 To prevent defoliation from exceeding 30 percent on 80 percent or more of the host trees. To reduce populations below pre-treatment thresholds so that treatment would not be necessary the following year. 						
Contractor(s): Prin	ne Air Aircraft: Turbine Thrush						
Formulation(s):	Foray 48F 0.5 gal/ac @ 24 BIU/ac						
Cost/acre (including	g application):						
Prime Air	\$17.47 ac Foray 48B						
Federal Share:	\$30,000						
State Share:	\$30,000						
Percent Acres Treat	ted: Private 100						
Percent Acres Treated Successfully: 1. 91% 2. 76%							
Number of Landowners Treated: 0							
Number of Communities Treated: 0							
Defoliated Area:	1,213 (23 acres in treatment blocks)						
Acres to be Retreat	Acres to be Retreated: 0						

Ohio Departm	ent of Agri	iculture			
			2006		
Proposed Acres:	1,295 (1,2	240 ac. Btk; 55 a	ic. Gypchek)		
Treated Acres:	1,286 (96	0 ac. Btk; 55 ac.	Gypchek)		
Project Objectives:	2. To reduce			80% or more of host trees. sholds so that treatment would not be	
Contractor(s): Prin	ne Air		Aircraft:	Air Tractor 402	
				Bell 47 Soloy	
				Turbine Thrush	
Formulation(s):	Foray 76B	0	0.5 gal/ac @ 38 BIU/a	ac	
	Gypchek	0	0.5 gal/ac @ 5 x 10(1	1) OBS/ac	
Cost/acre (includin	g application):				
Prime Air		\$44.00 ac	Gypchek	Rotor	
Prime Air		\$55.00 ac	Btk	Rotor	
Prime Air		\$17.80 ac	Dimilin	Fixed Wing	
Prime Air		\$21/46 ac	Btk	Fixed Wing	
Federal Share:	\$27,717				
State Share:	\$27,720				
Percent Acres Trea	ted: private	95	5		
	state	Ę	5		
Percent Acres Treated Successfully: 1.93% 2.0%					
Number of Landow	ners Treated:	0			
Number of Commu	nities Treated:	0			
Defoliated Area: 842 (87 acres in treatment blocks)					
Asses to be Defined	1 0 4 0				

Acres to be Retreated: 1,240

Ohio Department of Agriculture					
			2007		
Proposed Acres:	5,677 (5,	076 ac with Btk; 16	4 ac. With Gpyche	k; 437 ac with Dimilin)	
Treated Acres:	5,675 (5,	076 ac with Btk; 16	2 ac. With Gpyche	k; 437 ac with Dimilin)	
Project Objectives:	2. To reduce	 To prevent defoliation from exceeding 30% on 80% or more of h ost trees. To reduce populations below pre-treatment thresholds so that treatment would not be necessary the following year. 			
Contractor(s): Prin	ne Air		Aircraft:	Air Tractor 402 Bell 47 Soloy Turbine Thrush	
Formulation(s):	Foray 76B		gal/ac @ 25 BIU/		
	Gypchek		gal/ac @ 2 x 10 (,	
	Dimilin	0.5	gal/ac @ 0.5 oz/a	ii/ac	
Cost/acre (including	g application):				
Prime Air		\$23.00 ac x 2	Gypchek		
Prime Air		\$17.80 ac x 2	Dimilin		
Prime Air		\$20.44 ac x 2	Btk	Rotor	
Federal Share:	\$130,129				
State Share:	\$130,129				
Percent Acres Trea	ted: Private	100			
Percent Acres Treated Successfully: 1. 100% 2. 100%					
Number of Landow	ners Treated:	0			
Number of Communities Treated: 0					
Defoliated Area: 1,755 (0 acres in treatment blocks)					

Acres to be Retreated:

Patuxent Rese	Patuxent Research Refuge				
			2003		
Proposed Acres:	2,782 (wit	h Gypchek)			
Treated Acres:	2,782 (wit	h Gypchek)			
Project Objectives:	1. To reduce target organis		lations below dama	ging thresholds with the least impact to non-	
Contractor(s): Helic	copter Applicato	ors	Aircraft:	Bell 205	
Formulation(s):	Gypchek	1.	0 gal/ac @ 4 x 10 (11) BIU/ac	
Cost/acre (including	application):				
Helicopter Applicat	ors	\$20.75 ac	Gypchek		
Federal Share:	\$57,727				
State Share:	\$0				
Percent Acres Treate	ed: Federal	100			
Percent Acres Treate	ed Successful	ly: 1.100%			
Number of Landown	ers Treated:	0			
Number of Commun	ities Treated:	0			
Defoliated Area:	0				
Acres to be Retreate	ed: 0				

Pennsylvania	Bureau of Forestry					
	2000					
Proposed Acres:	101,211 (with Btk)					
Treated Acres:	101,101 (with Btk)					
Project Objectives:	Foliage protection					
• • •	Rotors, Inc. (Contract 1 and 3) copter Applicators (Contract 2)		Air Tractor 802 Bell 204 Bell 205 Bell 206			
Formulation(s):	Foray 48F	96 oz/ac @ 36 BIU/	ac			
	Foray 76B	64 oz/ac @ 38 BIU/	ac			
Cost/acre (including	g application):					
AgRotors, Inc.	\$21.37 ac					
AgRotors, Inc.	\$22.37 ac					
Helicopter Applica	tors \$20.63 ac					
Federal Share:	\$751,000					
State Share:	\$846,872 (real expense	e - \$2,392,587)				
Percent Acres Trea	ted: State 8	35				
	Private	15				
Percent Acres Treated Successfully: 1. 82%						
Number of Landowners Treated: 2,603						
Number of Communities Treated: 168						
Defoliated Area:	837,594 (17,996 acres in tre	atment blocks)				
Acres to be Retreated:						

Pennsylvania Bureau of Forestry							
	2001						
Proposed Acres:	164,773 (with E	Btk)					
Treated Acres:	164,265 (with E	Btk)					
Project Objective	s: Foliage Protection	on (to prevent	defoliation from exce	eeding 30% on 80% of host trees)			
Н	ero Tech g Rotors elicopter Applicators g Rotors		Aircraft:	Air Tractor 802 Bell 205 Bell 206 Bell 206LR Bell OH58			
Formulation(s):	Foray 76B		64 oz/ac @ 38 BIU/a				
	Foray 76B		43 oz/ac @ 27 BIU/a				
	Foray 48F		64 oz/ac @ 24 BIU/a	ac			
Cost/acre (includ	ing application):						
Aero Tech		\$12.98 ac	Btk				
Ag Rotors		\$27.92 ac	Btk				
Ag Rotors Helicopter Appli		\$26.95 ac \$24.25 ac	Btk Btk				
Federal Share:		φ24.25 ac	DIK				
	\$1,207,712						
State Share:	\$2,003,950						
Percent Acres Tr		75					
	Private	25					
Percent Acres Treated Successfully: 1. 98%							
Number of Landowners Treated: 5,928							
Number of Communities Treated: 904							
Defoliated Area:	237,559 ((3,102	acres in treat	tment blocks)				
Acres to be Retreated: 21,769							

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Pennsylvania Bureau of Forestry

			2002		
Proposed Acres:	58,665 (26,	126 ac. Btk a	t 27 BIU; 32,539 ac. Btk at 38 BIU)		
Treated Acres:	58,641 (26,	126 ac. Btk a	t 27 BIU; 32.515 ac. Btk at 38 BIU)		
Project Objectives:	Foliage Protect	ction (to preve	ent defoliation from exceeding 30% on 80% of host trees)		
Contractor(s): Aer Ag	o Tech Rotors		Aircraft: Air Tractor 802 Bell 205 Bell 206 Bell OH58		
Formulation(s):	Foray 76B		43 oz/ai @ 27 BIU/ac		
	Foray 76B		0.5 gal/ac @ 38 BIU/ac		
Cost/acre (including	g application):				
Aero Tech		\$8.59 ac	Foray 76B @ 27 BIU/ac Contract 1		
AgRotors, Inc.		\$24.37 ac	Foray 76B @ 36 BIU/ac Contract 2		
Federal Share:	\$588,147				
State Share:	\$663,230				
Percent Acres Trea	ted: Federal		0		
	State		62		
	Private		38		
Percent Acres Treated Successfully: 1.97%					
Number of Landow	ners Treated:	2,600			
Number of Communities Treated: 0					
Defoliated Area:	55,798 (1,55	9 acres in tre	atment blocks)		
Acres to be Retreated: 0					

Pennsylvania Bureau of Forestry				
		:	2006	
Proposed Acres:	81,892 (81	,627 ac. Btk; 265 ac.	Gypchek)	
Treated Acres:	81,690 (81	,425 ac. Btk; 265 ac.	Gypchek)	
Project Objectives	1. To prevent	t defoliation from exc	eeding 30% on	80% on more of the highly favored host trees.
Contractor(s): He	licopter Applicato	ors	Aircraft:	Bell 204 Bell 206 Bell 206 Turbine Thrush
Formulation(s):	Foray 6B Gypchek	1 ga	38 BIU/3 al/ac @ 4 x 10 (
Cost/acre (includir	ng application):			
Helicopter Applic Helicopter Applic		\$22.47 ac \$32.73 ac		Rotor Fixed
Federal Share:	\$994,000			
State Share:	\$1,440,000			
Percent Acres Trea	ated: Private State Federal	68 32 1		
Percent Acres Treated Successfully: 1. 60				
Number of Landowners Treated: 0				
Number of Communities Treated: 0				
Defoliated Area: 689,846 (32,924.4 acres based on 40% failure in spray bloc				
Acres to be Retrea	ted: 21,290			

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Pennsylvania Bureau of Forestry

			2007			
Proposed Acres:	64,904 (64,085 with Btk, 819 with Gypchek)					
Treated Acres:	64,515 (63,	696 with Btk, 81	9 with Gypchek)			
Project Objectives	1. To prevent	defoliation from	exceeding 30% on	80% on more of the highly favored host trees.		
Contractor(s): Helicopter Applicators Bruce's Flying Service			Aircraft:	Bell 204 Bell 205 Bell 206 Turbine Thrush		
Formulation(s):	Foray 48F	24	4 BIU/ac @			
	Gypchek	x 10(11)	Obs/ac @ 1 gal/ac	:		
Cost/acre (includir	ng application):					
Bruce's Flying Se	ervice	18.60	Btk	Fixed		
Helicopter Applic	ators	33.70	Gypchek	Rotor		
Federal Share:	\$860,351					
State Share:	\$1,085,135					
Percent Acres Trea	ated: Private	55				
	State	43				
	Federal	2				
Percent Acres Treated Successfully: 75%						
Number of Landow	Number of Landowners Treated: 0					
Number of Communities Treated: 0						
Defoliated Area:	681,435 (15,7	37 acres within t	reatment blocks)			
Acres to be Retreated: 6295						

Prince William Forest Park 2002 **Proposed Acres:** 333 (with Btk) 333 (with Btk) **Treated Acres:** Project Objectives: 1. Foliage protection (limit defoliation less than of equal 30 percent) 2. Population reduction below treatment threshold of 500 egg masses per acre Aircraft: Turbine Thrush Contractor(s): Maurice's Flying Service Foray 76B 0.5 gal/ac @ 38 BIU/ac Formulation(s): **Cost/acre (including application):** Maurice's Flying Service Foray 76B \$15.39 ac Federal Share: \$5,277 **State Share:** \$0 Percent Acres Treated: Federal 100 Percent Acres Treated Successfully: 1.91% Number of Landowners Treated: 0 Number of Communities Treated: 0 **Defoliated Area:** 50 (30 acres in treatment blocks)

Acres to be Retreated: 0

 Prince William Forest Park

 2003

 Proposed Acres:
 150 (with Btk)

 Treated Acres:
 150 (with Btk)

 Project Objectives:
 1. Foliage protection (limit defoliation less than of equal 30 percent).

 2. Population reduction below treatment threshold of 500 egg masses per acre

 Contractor(s):
 Earl's Spray Service

 Aircraft:
 Turbine Thrush

 Formulation(s):
 Foray 76B
 0.5 gal/ac @ 38 BIU/ac

Formulation(s): Foray 76B **Cost/acre (including application):** Earl's Spray Service Foray 76B \$17.31 ac Federal Share: \$2,597 **State Share:** \$0 Percent Acres Treated: Federal 100 Percent Acres Treated Successfully: 1.100% 2.100% Number of Landowners Treated: 0 **Number of Communities Treated:** 0 **Defoliated Area:** 0 Acres to be Retreated: 0

Quantico Marine Base 2002 **Proposed Acres:** 125 (with Dimilin) 125 (with Dimilin) **Treated Acres: Project Objectives:** 1. Foliage protection (limit defoliation less than of equal 30 percent) 2. Population reduction below treatment threshold of 500 egg masses per acre Aircraft: Turbine Thrush Contractor(s): Maurice's Flying Service Dimilin 1 gal/ac @ .50 oz/ai/ac Formulation(s): **Cost/acre (including application):** Maurice's Flying Service \$12.21 ac Dimilin Federal Share: \$1,581 **State Share:** \$0 **Percent Acres Treated:** Percent Acres Treated Successfully: 1.100% 2. 100% Number of Landowners Treated: 0 **Number of Communities Treated:** 0

Defoliated Area: 0

Acres to be Retreated: 0

Raystown Lal	Raystown Lake				
		2001			
Proposed Acres:	6,462 (4,140) ac. Double Btk, 2,322 ac. Single Btk)			
Treated Acres:	6,462 (4,140) ac. Double Btk, 2,322 ac. Single Btk)			
Project Objectives:		ection (to prevent defoliation from exceeding 30% on 80% of host trees) eduction so that treatment will not be required in 2002			
Contractor(s): Hel	icopter Applicators	Aircraft: Bell 206			
Formulation(s):	Foray 48F	96 oz/ac @ 36 BIU/ac			
	Foray 78B	64 oz/ac @ 38 BIU/ac			
	WDG	64 oz/ac @ 20 BIU/ac			
Cost/acre (includin	g application):				
Helicopter Applica	ators	\$20.42 ac			
Federal Share:	\$216,493				
State Share:	\$0				
Percent Acres Trea	ted: Federal	100			
Percent Acres Trea	ted Successfully:	1. 100% 2. 100%			
Number of Landow	ners Treated:	0			
Number of Commu	nities Treated:	0			
Defoliated Area:	64				

Acres to be Retreated: 0

Seneca Nation of Indians 2001 Proposed Acres: 2,706 (2,706 ac. Btk) 2,700 (2,700 ac. Btk) **Treated Acres:** Project Objectives: 1. Population reduction so that treatment will not be required in 2002 Aircraft: Piper Aztec Contractor(s): Duflo Spray-Chemical, Inc. Formulation(s): Foray 76B 80 oz/ac @ 30 BIU/ac **Cost/acre (including application):** Duflo Spray-Chemical, Inc. \$22.96 ac Foray 76B **Federal Share:** \$65,000 **State Share:** \$0 Percent Acres Treated: Federal 100 Percent Acres Treated Successfully: 1. 100% **Number of Landowners Treated:** 0 Number of Communities Treated: 0 **Defoliated Area:** 0 Acres to be Retreated: 0

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U.S. Military Academy at West Point

			2002	
Proposed Acres:	650 (with	h Btk)		
Treated Acres:	650 (with	h Btk)		
Project Objectives:	Suppress gype	sy moth population	ons to reduce or pre	event tree damag
Contractor(s): Ag	Rotors		Aircraft:	Bell 206
Formulation(s):	Foray 48B	g	96 oz/ac @ 36 BIU/	/ac
Cost/acre (including	g application):			
AgRotors, Inc.		\$23.75 ac	Foray 48B	
Federal Share:	\$15,485			
State Share:	\$0			
Percent Acres Trea	ted: Federal	100		
Percent Acres Trea	ted Successfull	y: 1.100%		
Number of Landow	ners Treated:	0		
Number of Commu	nities Treated:	0		
Defoliated Area:	0			
Acres to be Retreat	: ed: 0			

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Virginia Department of Agriculture

2006						
Proposed Acres: 2,564 (489	9 ac Btk; 2075 ac Dimilin)					
Treated Acres: 2,495 (488	8 ac Btk; 2007 ac Dimilin)					
Project Objectives:1. Foliage protection (defoliation less than 30%).2. Population reduction so that treatment will not be required in 2007.						
Contractor(s): Provine Helicopter Service Inc. Aircraft: Bell 206B						
Formulation(s): Foray 76B	0.5 gal/ac @ 38 BIU					
Dimilin	1.0 gal/ac @ 0.5 oz/ai/ac					
Cost/acre (including application):						
Provine Helicopter Service	\$43.40 ac Btk					
Provine Helicopter Service	\$19.38 ac Dimilin					
Federal Share: \$60,000						
State Share: \$118,882						
Percent Acres Treated: Private 100						
Percent Acres Treated Successfully: 1.99% (based on objective 1) 2.94% (based on objective 2)						
Number of Landowners Treated: 0						
Number of Communities Treated: 0						
Defoliated Area: 13,659 (17 acres in treatment block)						
Acres to be Retreated: 150						

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Virginia Department of Agriculture

2000						
Proposed Acres:	4,304 (2,170 ac Btk; 2,134 ac. DFB)					
Treated Acres:	4,304 (2,170 ac Btk; 2,134 Ac. DFB)					
Project Objectives:	 Foliage protection (defoliation less than 30%) Population reduction so that treatment will not be required in 2001 					
Contractor(s): Heli	icopter Applicators Aircraft: Bell 206B					
Formulation(s):	Thuricide 48LV0.5 gal/ac @ 24 BIU/acDimilin1 gal/ac @ 0.5 oz/ai/ac					
Cost/acre (including	Cost/acre (including application):					
Helicopter Applicators (contract 1) \$67.50 ac Thuricide 48LV						
Helicopter Applicators (contract 2) \$12.21 ac Dimilin						
Helicopter Applicators (contract 2) \$12.83 ac Thuricide 48LV						
Federal Share:	\$100,000					
State Share:	\$10,000					
Percent Acres Treat	ted: Private 100					
Percent Acres Treated Successfully: 1. 100% based on foliage protection 2. 88%						
Number of Landow	ners Treated: 2,785					
Number of Commun	nities Treated: 13					
Defoliated Area:	34,387					
Acres to be Retreated:						

Virginia Department of Agriculture

			2001		
Proposed Acres:	37,777 (10	37,777 (10,707 ac Btk; 25,070 ac. DFB)			
Treated Acres:	34,312 (3,	2 (3,750 ac Btk; 30,562 ac. DFB)			
Project Objectives:	 Foliage protection (defoliation less than 30%) Population reduction so that treatment will not be required in 2002 				
Contractor(s): Maurice's Flying Service Ag Rotors		A	ircraft:	Bell 206B Turbine Thrush UH1H	
Formulation(s):	Thuricide 48L	V	0.5 gal/ac @	24 BIU/	ac
	Dimilin		1 gal/ac @	0.5 oz/a	ai/ac
Cost/acre (including	g application):				
Ag Rotors		\$44.80 ac			
Maurice's Flying S	Service	\$9.83 ac			
Federal Share:	\$348,901				
State Share:	\$320,837	Counties, \$2	28,064 State		
Percent Acres Trea	ted: State		1		
	Private		99		
Percent Acres Trea	ted Successfu	1. 90% 2. 80%			
Number of Landow	ners Treated:	10,519			
Number of Commu	nities Treated:	62			
Defoliated Area:	440,409 (3,4	86 acres in tre	eatment blocks)		
Acres to be Retreat	<mark>ed:</mark> 7,108				

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Virginia Department of Agriculture

2002								
Proposed Acres:	63,537 (20,047 ac. with Btk, 43,490 ac.with Dimilin)							
Treated Acres:	62,201 (2,748 ac. Btk at 24 BIU; 17,107 ac. Btk at 38 BIU; 42,346 ac. DFB)							
Project Objectives: 1. Foliage protection (defoliation less than 30%)2. Population reduction so that treatment will not be required in 2003								
Contractor(s): Helicopter Applicators Maurice's Flying Service Earl's Spray Service		vice						
Formulation(s):	Foray 76B	0.	0.5 gal/ac @ 38 BIU/ac					
	Foray 76B		43 oz/ac @ 24 BIU/ac					
	Dimilin	1 gal/ac @ .50 oz/ai/ac						
Cost/acre (including application):								
Earl's Spray Service		\$15.31 ac	Foray 76B at 38 BIU/ac	Contract 3				
Earl's Spray Service		\$12.31 ac	Dimilin	Contract 3				
Helicopter Applicators		\$37.32 ac	Foray 76B at 38 BIU/ac					
Maurice's Flying Service		\$15.39 ac	Foray 76B at 38 BIU/ac	Contract 2				
Maurice's Flying Service		\$12.28 ac	Foray 76B at 24 BIU/ac	Contract 2				
Maurice's Flying Service\$12.21 acDimilinContract 2								
Federal Share:	\$599,444							
State Share:	\$690,578							
Percent Acres Treated: Private 100								
Percent Acres Treated Successfully: 1.91% 2.92%								
Number of Landow	vners Treated:	7,346						
Number of Communities Treated: 52								
Defoliated Area: 51,846 (5431acres in the treatment blocks)								
Acres to be Retreated: 5,146								

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			2003	
Proposed Acres:	14,669	(3,627 ac. Btk; 11	,042 ac DFB)	
Treated Acres:	14,512	(3,683 ac. Btk; 10	,829 ac. DFB)	
Project Objectives:	•	•	ation less than 30%). hat treatment will not b	be required in 2004
Contractor(s): Prov Earl's	ine Helicop s Spray Se		Aircraft:	Bell 206 Turbine Thrush
Formulation(s):	Foray 76B		0.5 gal/ac @ 38 BIU/a	ac
	Dimilin		1.0 gal/ac @ 0.5 oz/a	i/ac
Cost/acre (including	applicatio	on):		
Earl's Spray Servic	e	\$10.66 ac	Dimilin	
Earl's Spray Servic	e	\$17.31 ac	Foray 76B	
Provine Helicopter	Service	\$33.30 ac	Foray 76B	
Federal Share:	\$245,98	1		
State Share:	\$243,77	7		
Percent Acres Treat	<mark>ed:</mark> Privat	te 10	00	
Percent Acres Treat	ed Succes	sfully: 1.88% 2.100%		
Number of Landown	ers Treate	d: 0		
Number of Commun	ities Treat	ed: 0		
Defoliated Area:	25,889 (1687 acres in treat	tment block)	
Acres to be Retreate	ed: 0			

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			2007			
Proposed Acres:	12,625 (9,5	12,625 (9,500 with Btk; 2,965 with Dimilin; 160 with Gypchek)				
Treated Acres:	12,580 (9,4	59 with Btk; 2,96	65 with Dimilin; 156 v	with Gypchek)		
Project Objectives:			on less than 30%) It treatment will not b	be required in 2007.		
Contractor(s): Provine Helicopter Serv Maurice's Flying Service Al's Aerial Spraying			Aircraft:	Air Tractor 502 Bell 206B Turbine Thrush		
Formulation(s):	Foray 76B	0.	3 gal/ac @ 25 BIU/a	ac		
	Foray 76B	0.	5 gal/ac @ 38 BIU/a	ac		
	Dimilin	1.	0 gal/ac @ 0.5 oz/a	i/ac		
	Gypchek	x 10(11)	Obs/ac @			
Cost/acre (including	g application):					
Al's Aerial Sprayin	g	29.38	Dimilin			
Maurie's Flying Se	ervice	31.00	Dimilin			
Maurie's Flying Se	ervice	42.48	Btk (38 BIU)			
Maurie's Flying Se	ervice	36.64	Btk (25 BIU)			
Provine Helicopter	r Service, Inc.	41.28	Gypchek			
Provine Helicopter		41.95	Btk			
Provine Helicopter	r Service, Inc.	41.98	Btk			
Federal Share:	\$235,000					
State Share:	\$235,000					
Percent Acres Trea	ted: Private	100				
Percent Acres Treated Successfully:1. 85% had no defoliation greater than 30% (based on Objective 1).2. 78% will not require retreatment (based on Objective 2).						
Number of Landowners Treated: 0						
Number of Communities Treated: 0						
Defoliated Area:	73,408 (1,85	5 acres received	l defoliation)			
Acres to be Retreated: 2769						

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			2000		
Proposed Acres:	7,446 (6	,319 ac. DFB; ⁻	1,129 ac. Btk)		
Treated Acres:	7,417 (6	,290 ac. DFB;	1,127 ac Btk)		
Project Objectives:	1. Foliage protection (limit defoliation to less than or equal to 20%)2. Population reduction by 80%				
Contractor(s): Hard	old's Spray Sei	rvice	Aircr	aft:	Air Tractor 502 Radial Thrush
Formulation(s):	Foray 48F		0.5 gal/ac @ 24	BIU/a	iC
	Dimilin		1 gal/ac @ 0.5 oz/ai/ac		
Cost/acre (including	application)	:			
Harold's Spray Sei	rvice	\$17.16 ac	Foray 48F		
Harold's Spray Ser	rvice	\$12.62 ac	Dimilin		
Federal Share:	\$236,000				
State Share:	\$312,835				
Percent Acres Treat	ed: State		36		
	Private		64		
Percent Acres Treat	ed Successfu	illy: 1. 86% 2. 87%			
Number of Landowr	ners Treated:	490			
Number of Commur	ities Treated:	19			
Defoliated Area:	257,254 (1,0	30 acres within	n the treatment blo	cks)	
Acres to be Retreate	od.				

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		2001				
Proposed Acres:	136,991 (13	136,991 (130,750 ac. DFB; 6,241 ac. Btk)				
Treated Acres:	136,380 (13	30,139 ac. DFB; 6,241 ac Btk)				
Project Objectives	0 1	rotection (limit defoliation to less than or equal to 20%) n reduction by 80%				
Contractor(s): Ma	Contractor(s): Maurice's Flying Service Aircraft: Turbine Thrush					
Formulation(s):	Foray 76B Dimilin	43 oz/ac @ 24 BIU/ac 1 gal/ac @ 0.5 oz/ai/ac				
Cost/acre (includin	g application):					
Maurice's Flying	Service	\$14.62 ac Foray 76B				
Maurice's Flying	Service	\$13.55 ac Dimilin				
Federal Share:	\$1,702,900					
State Share:	\$1,730,244					
Percent Acres Trea	ated: Federal	1				
	State	10				
	Private	89				
Percent Acres Treated Successfully: 1. 69% 2. 99%						
Number of Landow	Number of Landowners Treated: 11,138					
Number of Communities Treated: 0						
Defoliated Area:	603,630 (41.7	722 acres within the treatment blocks)				
Acres to be Retrea	ted: 1,373					

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			2002			
Proposed Acres:	80,035 (4,4	80,035 (4,475 ac. single Btk; 170 ac. double Btk; 74,120 ac. DFB; 1,300 ac. Gypchek)				
Treated Acres:	74,418 (4,8	15 ac. Single E	3tk; 168 ac. double Bt	k; 68,469 ac. DFB; 966 ac. Gypchek)		
Project Objectives:	5 1	,	efoliation to less than 0% with Dimilin	or equal to 20%)		
Contractor(s): Maurice's Flying Service			Aircraft:	Turbine AgCat Turbine Thrush		
Formulation(s):	Foray 76B		40 oz/ac @ 24 BIU/	/ac		
	Dimilin		1 gal/ac @ .50 oz/a	ai/ac		
	Gypchek		1 gal/ac @ 4 x 10 ((11) OBS/ac		
Cost/acre (includin	g application):					
Maurice's Flying S	Service	\$12.00 ac	Gypchek			
Maurice's Flying S	Service	\$14.61 ac	Dimilin			
Maurice's Flying S	Service	\$13.62 ac	Foray 76B			
Federal Share:	\$935,000					
State Share:	\$935,000					
Percent Acres Trea	ited:					
Percent Acres Trea	Percent Acres Treated Successfully: 1.98% 2.100%					
Number of Landow	ners Treated:	0				
Number of Commu	nities Treated:	0				
Defoliated Area: 132,197 (1,792 acres in treatment blocks)						
Acres to be Retreat	ted: 0					

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			2003	
Proposed Acres:	4,270	(160 ac. single E	3tk; 170 ac. Double B	otk; 3770 ac. DFB)
Treated Acres:	4,270	(160 ac. Single I	Btk; 170 ac. Double E	3tk; 3770 ac. DFB)
Project Objectives:			defoliation to less th 80% with Dimilin	an or equal to 20%).
Contractor(s): Mauri	ce's Flying	Service	Aircra	ft: Turbine Thrush
Formulation(s): F	oray 48F		0.5 gal/ac @ 24 B	IU/ac
C	Dimilin		0.5 gal/ac @ 0.5 c	oz/ai/ac
Cost/acre (including	applicatio	n):		
Maurice's Flying Se	rvice	\$12.03 ac	Dimilin	
Maurice's Flying Se	rvice	\$12.93 ac	Foray 48F	
Federal Share:	\$349,485	5		
State Share:	\$463,280)		
Percent Acres Treate	d: Feder	al	4	
	Privat	е	96	
Percent Acres Treate	d Success	sfully: 1. 100% 2. 100%		
Number of Landowne	ers Treate	d: 0		
Number of Communit	ties Treate	ed: 0		
Defoliated Area:	5,338			
Acres to be Retreated	d: 0			

			2006		
Proposed Acres:	7,872 (2,97	73 ac Btk; 4899	ac Dim,ilin)		
Treated Acres:	8,121 (2,9	77 ac. Btk; 5,14	4 ac Dimilin)		
Project Objectives		defoliation from ouplations 80%	exceeding 20% or with Dimilin	less on host trees.	
Contractor(s): Maurice's Flying Service			Aircraft	Air Tractor 802A Ayres Thrush Turbo S2R	
Formulation(s):	Foray 76B	0	.5 gal/ac @ 38 Biu/	/Ac	
	Foray 48B		.5 gal/ac @ 24 Biu/		
	Dimilin	0	.5 gal/ac @ 0.5 oz/	/ai/ac	
Cost/acre (includir	ng application):				
Maurice's Flying		\$23.01 ac	Btk		
Maurice's Flying	Service	\$17.16 ac	Dimilin		
Federal Share:	\$296,950				
State Share:	\$399,154				
Percent Acres Trea	ated: Private	100)		
Percent Acres Treated Successfully: 1. 98% (based on objective 1) 2. 85% 9based on objective 2)					
Number of Landov	vners Treated:	0			
Number of Commu	inities Treated:	0			
Defoliated Area:	17,272 (142 a	acres in treatme	ent blocks)		
Acres to be Retrea	ted: 1,202				

West Virginia Department of Agriculture

	2007						
Proposed Acres:	11,156 (1,94	11,156 (1,944 ac btk, 9212 Dimilin)					
Treated Acres:	11,156 (1,94	44 ac btk, 9212 I	Dimilin)				
Project Objectives:			exceeding 20% or less with the use of Dimilir				
Contractor(s): Ma	urice's Flying Ser	vice	Aircraft: A	yres Thrush Turbo S2R-602			
Formulation(s):	Foray 48B	0.	5 gal/ac @ 24 BIU/ac				
	Dimilin 4L	0.9	5 gal/ac @ 0.5 oz/ai/a	IC			
Cost/acre (includin	g application):						
Maurice's Flying S	Service	\$17.16 ac	Dimilin 4L				
Maurice's Flying S	Service	\$23.01 ac	Foray 48B				
Federal Share:	\$330,000						
State Share:	\$396,299						
Percent Acres Trea	ted: Private	100					
Percent Acres Treated Successfully: 1. 94.7% (based on objective 1) 2. 82.46% (based on objective 2)							
Number of Landow	Number of Landowners Treated: 3,068						
Number of Communities Treated: 0							
Defoliated Area:	77,910 (561 a	acres basaed on	objective 1 above)				
Acres to be Retrea	Acres to be Retreated: 1617 (based on objective 2 above)						

West Virginia Department of Agriculture

			2008		
Proposed Acres:	64,495	(10,122 ac btk, 54,	373 Dimilin)		
	64,495	(10,122 ac btk, 54,	,		
Treated Acres:		,	,		
Project Objectives:			n exceeding 20% or le % with the use of Dim		
Contractor(s): Mau	urice's Flyin	g Service	Aircraft:	Air Tractor 402B (1) Ayres Thrush Turbo S2R (5)	
Formulation(s):	Foray 76B		1/3 gal/ac @ 25.3 CL	Us/ac	
	Dimilin 4L		1/2 gal/ac @ 0.5 oz/a	i/ac	
Cost/acre (including	g applicatio	on):			
Maurice's Flying S	Service	17.16	Dimilin		
Maurice's Flying S	Service	23.01	Btk		
Federal Share:	\$119,95	5			
State Share:	\$679,84	6 (Includes WV S	State Parks, State For	est lands, & CSCL landowner share)	
Percent Acres Trea	ted: Priva	te 9	2		
	State	9	8		
Percent Acres Treated Successfully: 1. 96.5% (based on objective 1) 2. 96.7% (based on objective 2)					
Number of Landow	ners Treate	ed: 5,978			
Number of Communities Treated: 0					
Defoliated Area:	81,308	(2,272 in treatment b	olocks)		
Acres to be Retreat	ed: 2119	(based on o	bjective 2 above)		

wisconsin Department of Natural Resources
2001
Proposed Acres: 1,465 (1,465 ac. Btk)
Treated Acres: 1,400 (1,400 ac Btk)
Project Objectives: 1. Foliage protection (limit defoliation to less than or equal to 50%)
Contractor(s): Al's Aerial Spraying Aircraft: AT-502
Formulation(s):Foray 48F64 oz/ac @ 24 BIU/ac
Cost/acre (including application):
Al's Aerial Spraying \$13.48 ac Foray 48F
Federal Share: \$29,095
State Share: \$30,768
Percent Acres Treated: Federal 0
State 0
Private 100
Percent Acres Treated Successfully: 1. 100%
Number of Landowners Treated: 1,000
Number of Communities Treated: 2
Defoliated Area: 1,600
Acres to be Retreated: 50

Wisconsin Department of Natural Resources

Wisconsin De	Wisconsin Department of Natural Resources						
	2002						
Proposed Acres:	5,912 (4,4	77 ac. Btk; 1,43	35 ac. Gypchek)				
Treated Acres:	6,399 (4,7	86 ac. Btk; 1,61	3 ac. Gypchek)				
Project Objectives:	1. Foliage pro	tection (limit de	foliation to less than or equal to 50%)				
Contractor(s): Al's	Aerial Spraying		Aircraft: Air Tractor 502				
Formulation(s):	Foray 76B		40 oz/ac @ 24 BIU/ac				
	Gypchek		1 gal/ac @ 5 x 10 (11) OBS/ac				
Cost/acre (includin	g application):						
Al's Aerial Sprayir	•	\$23.85 ac	Gypchek				
Al's Aerial Sprayir	ng	\$23.85 ac	Foray 76B				
Federal Share:	\$154,000						
State Share:	\$154,000						
Percent Acres Trea	ted: private	100	0				
Percent Acres Treated Successfully: 1. 97%							
Number of Landowners Treated: 0							
Number of Communities Treated: 14							
Defoliated Area:	34,094 (200 a	acres in treatme	ent blocks)				
Acres to be Retreated: 786							

Wisconsin De	Wisconsin Department of Natural Resources					
2003						
Proposed Acres:	26,533 (23,29	7 ac with Btk; 3	,256 with Gypchek)			
Treated Acres:	27,329 (23,88	7 ac with Btk; 3	,442 ac with Gypche	ek)		
Project Objectives	1. Foliage protect	ction (limit defol	iation to less than or	r equal to 50%).		
Contractor(s): Al	s Aerial Spraying		Aircraft: /	Air Tractor 502		
Formulation(s):	Foray 48F	0.5	gal/ac @ 24 BIU/ac			
	Gypchek	1	gal/ac @ 4 x 10 (11	1) OBS/ac		
Cost/acre (includir	ng application):					
Al's Aerial Sprayi	ng S	\$23.98 ac	Gypchek			
Al's Aerial Sprayi	ng S	\$19.98 ac	Foray 76B			
Federal Share:	\$387,342					
State Share:	\$455,497					
Percent Acres Tre	ated: State	1				
	Private	99				
Percent Acres Treated Successfully: 1.99%						
Number of Landov	vners Treated:	0				
Number of Commu	unities Treated:	0				
Defoliated Area:	65,000 (45 acre	es in the treatme	ent blocks)			
Acres to be Retrea	ited: 2,442					

Wisconsin Department of Natural Resources 2004 **Proposed Acres:** 51,254 (45,989 ac with Btk; 5265 with Gypchek) 51,254 (45,989 ac. With Btk; 5265 ac. with Gypchek) **Treated Acres: Project Objectives:** 1. To prevent defoliation in excess of 50% of the normal leaf complement of trees within the treatment blocks. Aircraft: Air Tractor 401 Contractor(s): Al's Aerial Spraying Air Tractor 502 Formulation(s): Foray 48F 36 IU/ac Gypchek 1 gal/ac @ 4 x 10 (11) Obs/ac Cost/acre (including application): Al's Aerial Spraying \$25.69 ac Gypchek Al's Aerial Spraying \$18.85 ac Foray 48F Federal Share: \$643,132 **State Share:** \$714,232 Percent Acres Treated: private 90 public non-Fed 10 Percent Acres Treated Successfully: 1. 100% each **Number of Landowners Treated:** 0 Number of Communities Treated: 0 **Defoliated Area:** 20 Acres to be Retreated: 0

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Wisconsin Department of Natural Resources

2005							
Proposed Acres:	2,709 (2	2,709 (2,709 ac treated with Foray 48F)					
Treated Acres:	2,709 (1,235 ac. With Btk-Foray; 285 ac. with Gypchek) - 15 sites						
Project Objectives:	1. To prevent defoliation in excess of 50% over 80% of a treated area in order to prevent stress of trees that could lead to injury or mortality						
Contractor(s): Al's A	Aerial Sprayir	ng Aircraft: Turboprop Ag Tractor 401 Turboprop Ag Tractor 502					
Formulation(s):	Foray 48F 36 BIU/acre @ 1 application						
Cost/acre (including application):							
Al's Aerial Spraying)	\$23.81 ac Foray 48F					
Federal Share:	\$33,148						
State Share:	\$51,136						
Percent Acres Treate	ed: Private	53					
	Publicly	-owned 47 community, county, or state					
Percent Acres Treated Successfully: 1. 100% each							
Number of Landowners Treated: 0 Most blocks include many landowners.							
Number of Communities Treated: 0							
Defoliated Area:	20						
Acres to be Retreated: 0							

Wisconsin Department of Natural Resources 2006 **Proposed Acres:** 1,503 (1,503 ac with Btk) 1,503 (1,503 ac. with Btk) **Treated Acres: Project Objectives:** 1. To prevent defoliation in excess of 50% over 80% of a treated area in order to prevent stress of trees that could lead to injury or mortality Aircraft: Turboprop Ag Tractor 401 Contractor(s): Al's Aerial Spraying Turboprop Ag Tractor 502 Formulation(s): Foray 48F 36 BIU/ac **Cost/acre (including application):** Al's Aerial Spraying 2\$5.83 ac Foray 48F **Federal Share:** \$25,251 State Share: \$30,579 Percent Acres Treated: Private 77 Publicly-owned 23 community, county, or state Percent Acres Treated Successfully: 1. 100% each **Number of Landowners Treated:** 0 Most blocks include many landowners Number of Communities Treated: 9 **Defoliated Area:** 24,084 Acres to be Retreated: 0

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Wisconsin Department of Natural Resources

2007							
Proposed Acres:	1,235 (1,235 ac with Btk; 285 ac with Gypchek)						
Treated Acres:	1,235 (1,235 ac with Btk; 285 ac with Gypchek)						
Project Objectives:	1. To prevent defoliation in excess of 50% over 80% of a treated area in order to prevent stress of trees that could lead to injury or mortality						
Contractor(s): Al's	Aerial Spraying		Aircraft:	Turboprop Ag Tractor 401 Turboprop Ag Tractor 502			
Formulation(s):	Foray 48F Gychek						
Cost/acre (including application):							
AI's Aerial Sprayir	ng	\$32.43 ac	Gypchek				
Al's Aerial Sprayir	ng	\$27.92 ac	Foray 48F				
Federal Share:	\$38,191						
State Share:	\$38,191						
Percent Acres Treated: Private 87							
	Publicly-o	wned 13	community, count	y, or state			
Percent Acres Treated Successfully: 1. 100% each							
Number of Landowners Treated: 0 Most blocks include many landowners							
Number of Communities Treated: 13							
Defoliated Area: 22,994							
Acres to be Retreated: 0							